

```

<!--StartFragment-->RESULT 1
UTPGA
glycoprotein hormones alpha chain precursor - pig
M:Alternate names: chorionadotropin alpha chain; follicle-stimulating hormone alpha chain; follitropin alpha chain; interstiti
C:Species: Sus scrofa domestica (domestic pig)
CjDate: 24-Apr-1984 fasequences_revision 20-Jan-1995 (text_change 09-Jul-2004
CjAccession: A30339; A91086; A91213; B60584; I46618; A01485
R:Hirai, T.; Takikawa, H.; Kato, Y.
Mol. Cell. Endocrinol. 63, 209-217, 1989
A>Title: Molecular cloning of cDNAs for precursors of porcine pituitary glycoprotein hormone common alpha-subunit and of thyroid
AjReference numbers: A30339; A91086; A91213; B60584; I46618; A01485
AjAccession: A30339
A>Status: not compared with conceptual translation
AjMolecule type: mRNA
AjResidues: 1-120 <RHS>
AjCross-references: UNIPROT:P01219; UNIPARC:UP1000011D492
AjNotes: authors note that the mature amino-terminal hexapeptide was probably lost during protein purification and confirmed Ph
R:Closset, J.; Maguin-Rogister, G.; Bonna, G.
Endocrinol. Exp. 6, 164, 1974
A>Title: The amino acid sequence of porcine thyrotropin (TSH) with reference to the molecular evolution of glycoprotein hormones
AjReference number: A91086
AjContents: thyrotropin
AjAccession: A91086
AjMolecule type: protein
AjResidues: 31-119 <CLO>
AjCross-references: UNIPARC:UP1000017342A
RjMaguin-Rogister, G.; Combarrous, Y.; Bonna, G.
Eur. J. Biochem. 39, 255-263, 1973
A>Title: The primary structure of the porcine luteinizing-hormone alpha-subunit.
AjReference number: A91213; M01D:74075725; P01D:4770796
AjContents: lutropin
AjAccession: A91213
AjMolecule type: protein
AjResidues: 31-119 <DAG>
AjCross-references: UNIPARC:UP1000017342A
RjCombarrous, Y.; Bonna, G.
Biochem. Soc. Trans. 2, 915-917, 1974
A>Title: The disulphide bridges of porcine luteinizing hormone alpha subunit.
AjReference number: A90350; M01D:7093922; P01D:4448287
AjContents: annotation; lutropin, preliminary disulfide bonds
AjNotes: disulfide bonds shown follow those determined crystallographically for human glycoprotein hormones alpha chain (see A446
RjHomura, K.; Ohmura, K.; Nakamura, Y.; Moriba, N.; Shirakura, Y.; Sato, Y.; Ujihara, M.; Ohki, K.; Shizume, K.
Endocrinology 124, 712-719, 1989
A>Title: Porcine luteinizing hormone isoform(s): relationship between their molecular structures, and gonotrophic versus gonadotr
AjReference number: B60584; M01D:89107050; P01D:2536317
AjAccession: B60584
AjMolecule type: protein
AjResidues: 25-34 <NMK>
AjCross-references: UNIPARC:UP1000017342B
RjKato, Y.; Ezashi, T.; Hirai, T.; Kato, T.
J. Mol. Endocrinol. 7, 27-34, 1991
A>Title: The gene for the common alpha subunit of porcine pituitary glycoprotein hormones.
AjReference number: I46618; M01D:91364449; P01D:1716437
AjAccession: I46618
A>Status: translated from GB/EMBL/DBJ
AjMolecule type: DNA
AjResidues: 1-120 <RHS>
AjCross-references: UNIPARC:UP1000011D492; GB:D00768; NID:g217697; P01D:BA00664.1; PID:g217699
CjGenetics:
AjIntrons: 33/3; 95/3
CjSuperfamily: glycoprotein hormones alpha chain
CjKeywords: glycoprotein; heterodimer; hormone; pituitary
F1-24/Domain: signal sequence (status predicted <SIG>
F1-25/120/Product: glycoprotein hormones alpha chain (status predicted <MAT>
F1-35-59,56-110,60-112,87-115/Disulfide bonds: (status predicted
F1-38-88/Disulfide bonds: (status experimental
F1-80,106/Binding site: carbohydrate (asn) (covalent) (status experimental

Query Match 96.8%; Score 643; DB 1; Length 120;
Best Local Similarity 97.5%; Prod. No. 7.3e-57;
Matches 116; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MDYVYFYAAILAILSLVFLILHSFPGDGTGAGCEPKLKHRYTSLGLAPIYQNGCC 60
Db 1 MDYVYFYAAILAILSLVFLILHSFPGDGTGAGCEPKLKHRYTSLGLAPIYQNGCC 60

Qy 61 FSRAYPTPARSEKTHLVPNITSEATCCVAKAFKATVYKNAFVNHTEKRCSTCYHK 119
Db 61 FSRAYPTPARSEKTHLVPNITSEATCCVAKAFKATVYKNAFVNHTEKRCSTCYHK 119

<!--EndFragment-->

```